

WHAT IS CLAIMED IS:

1. A first substrate in a liquid crystal display device including said first substrate on which a thin film transistor is fabricated, a second substrate spaced
5 away from and facing said first substrate, and a liquid crystal layer sandwiched between said first and second substrates, wherein an externally incident light is reflected towards a viewer to display images,

said first substrate including:

(a) an electrically insulating substrate;

10 (b) a plurality of projections formed on said electrically insulating substrate for scattering reflected light;

(c) a first electrically insulating film covering said projections therewith;

(d) a light-reflecting film formed on said first electrically insulating film;

15 (e) a second electrically insulating transparent film formed on said light-reflecting film; and

(f) a pixel electrode formed on said second electrically insulating transparent film.

2. The first substrate as set forth in claim 1, wherein said second electrically
20 insulating transparent film is comprised of an organic film.

3. The first substrate as set forth in claim 1, wherein said second electrically insulating transparent film is comprised of an inorganic film.

25 4. The first substrate as set forth in claim 1, wherein said light-reflecting film covers at least a part of a display pixel area of said thin film transistor therewith.

5. A first substrate in a liquid crystal display device including said first

substrate on which a thin film transistor is fabricated, a second substrate spaced away from and facing said first substrate, and a liquid crystal layer sandwiched between said first and second substrates, wherein an externally incident light is reflected towards a viewer to display images,

5 said first substrate including:

(a) an electrically insulating substrate;

(b) a plurality of projections formed on said electrically insulating substrate for scattering reflected light;

(c) a first electrically insulating film covering said projections therewith;

10 (d) a light-reflecting film formed on said first electrically insulating film;

(e) a color layer formed on said light-reflecting film; and

(f) a pixel electrode formed on said color layer.

6. The first substrate as set forth in claim 5, further comprising a second
15 electrically insulating transparent film formed on said color layer.

7. The first substrate as set forth in claim 6, wherein said second electrically insulating transparent film is comprised of an organic film.

20 8. The first substrate as set forth in claim 6, wherein said second electrically insulating transparent film is comprised of an inorganic film.

9. The first substrate as set forth in claim 5, wherein said light-reflecting film covers at least a part of a display pixel area of said thin film transistor
25 therewith.

10. A liquid crystal display device including a first substrate on which a thin film transistor is fabricated, a second substrate spaced away from and facing said first substrate, and a liquid crystal layer sandwiched between said first and

second substrates, wherein an externally incident light is reflected towards a viewer to display images,

said first substrate including:

(a) an electrically insulating substrate;

5 (b) a plurality of projections formed on said electrically insulating substrate for scattering reflected light;

(c) a first electrically insulating film covering said projections therewith;

(d) a light-reflecting film formed on said first electrically insulating film;

10 (e) a second electrically insulating transparent film formed on said light-reflecting film; and

(f) a pixel electrode formed on said second electrically insulating transparent film.

11. The liquid crystal display device as set forth in claim 10, wherein said
15 second electrically insulating transparent film is comprised of an organic film.

12. The liquid crystal display device as set forth in claim 10, wherein said second electrically insulating transparent film is comprised of an inorganic film.

20 13. The liquid crystal display device as set forth in claim 10, wherein said light-reflecting film covers at least a part of a display pixel area of said thin film transistor therewith.

14. A liquid crystal display device including a first substrate on which a thin
25 film transistor is fabricated, a second substrate spaced away from and facing said first substrate, and a liquid crystal layer sandwiched between said first and second substrates, wherein an externally incident light is reflected towards a viewer to display images,

said first substrate including:

(a) an electrically insulating substrate;

(b) a plurality of projections formed on said electrically insulating substrate for scattering reflected light;

(c) a first electrically insulating film covering said projections therewith;

5 (d) a light-reflecting film formed on said first electrically insulating film;

(e) a color layer formed on said light-reflecting film; and

(f) a pixel electrode formed on said color layer.

10 15. The liquid crystal display device as set forth in claim 14, wherein said first substrate further includes a second electrically insulating transparent film formed on said color layer.

15 16. The liquid crystal display device as set forth in claim 15, wherein said second electrically insulating transparent film is comprised of an organic film.

17. The liquid crystal display device as set forth in claim 15, wherein said second electrically insulating transparent film is comprised of an inorganic film.

20 18. The liquid crystal display device as set forth in claim 14, wherein said light-reflecting film covers at least a part of a display pixel area of said thin film transistor therewith.